

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000327

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: **H02P 006/18; H02K 29/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI &amp; IPC H02K 29/-, H02P 6/- and keywords: (motor, bldc, electronic commutation, back emf, single phase, zero crossing, digitise, computer) and similar words.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	US 6,834,407 B2 ( <i>STEPHENS</i> ) 28 December 2004 The Entire Document	
A	US 5,382,889 A ( <i>PETERS et al.</i> ) 17 January 1995 The Entire Document	
A	US 5,672,948 A ( <i>COHEN et al.</i> ) 30 September 1997 The Entire Document	
A	US 6,034,493 A ( <i>BOYD et al.</i> ) 7 March 2000 The Entire Document	
A	US 5534763 A ( <i>WILLIAMS et al.</i> ) 9 July 1996 The Entire Document	



Further documents are listed in the continuation of Box C



See patent family annex

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international search

21 February 2005

Date of mailing of the international search report

23 FEB 2005

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaaustralia.gov.au  
Facsimile No. (02) 6285 3929

Authorized officer

AMOD PRADHAN

Telephone No : (02) 6283 2510

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000327

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6,834,407		NONE				
US	5,382,889	GB	2236442	GB	2251989	JP	3135391
		JP	4299094	US	5202614	US	5202616
US	5,672,948		NONE				
US	6,034,493	AU	60071/98	AU	719478	CA	2279540
		EP	0972332	HK	1024112	NZ	337029
		WO	1998/35428				
US	5,534,763	AU	16259/95	AU	659621	AU	684902
		NZ	236542	NZ	280025	CA	2057992
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							

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